Indeed, in some instances, when the milk is very sour, I do not think that it is advisable to heat the curd at all after coagulation. I reason in this way ; just as good cheese can be made without scalding at all as with it; the reason that we scald the curd (if heating it to a tem. perature of 98° can be called scalding), is to develop the acid sooner and if, when the curd is inclined to develop acid sooner than usual we heat it to a temperature of 96° to 98°, we hasten the action of the acid, which is the very thing we are trying to avoid. In other words, when the acid in the curd is developing too fast of its own acccord, we develop it still faster by means of heat, and thus aggravate the evil After this curd is cut up, the whey must be removed from it as fast as it makes its appearance, and as soon as practicable, the vat must he tipped down, and the curd thrown to the upper end of the vat. The curd at this stage is very sloppy, as it contains considerable whey. One person should now cut it into small pieces with a knife, and another he employed in turning the pieces over and piling them up in heaps, so as to liberate the whey, which passes off in a continuous stream. When the curd has assumed a proper consistency it must be ground and salted; the quantity of salt used must be according to the amount of whey contained in the curd, which is generally, in such cases, considerably more than usual. In extreme cases, the whole process, from the adding of the rennet to the mixing in of the salt, can be performed in less than hour.

To explain why more rennet is needed when the milk is partially sour, I will refer to the address delivered by Professor Caldwell last year, before this Convention, and also to the able and highly useful paper read by L. B. Arnold, Esq., on "Rennet, its nature and use." before the same Convention. These gentlemen demonstrated to us very clearly that the acting principle of rennet consists of minute globules, or spores, which feed upon nitrogenous substances, and when placed in such, at a favorable temperature, multiply very rapidly. Now a quantity of rennet, containing a vast number of these spores. placed in a vat of milk which is highly nitrogenous, at a temperature of 80°, which is favorable to their growth, will multiply in a short time to such an extent as to cause its coagulation. And their action by no means stops here. They have still a very important mission to perform, viz., that of curing or ripening the cheese. And if the presence of these spores (Micrococci, I think they are called), in the cheese, cures or ripens it, an excess of them will ripen the cheese more quickly, and vice versa. Now we all know that a sour cheese, or a cheese which contains an excess of sour milk spores, (Arthrococci), takes a much longer time to ripen than a sweet cheese, and vice versa. Therefore, to have a cheese cured in a given time, the spores of the Micrococci and of the Arthrococci, must be contained in it in relative quantities. So, when we have a vat of sour milk to handle, where the Arthrococci are in abundance, we must add more rennet to counterbalance their action on the nitrogenous ingredients of the milk, and

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thereby cause the ch

I have found by made from sour mil cheese, but they wil color, these sour mi upon annatto. I h more tendency to m

3. When the spores, which are a localities, in hot w the utensils with wh damaged in most ca it can be greatly a clean milk-pails, st cleansed, and there clinging to their s and activity on During the past September, in a fac which was not tair so much that the for the highest pri milk, I prefer to h or 70° in the mor reasons. First, it great abundance in through the night of the Arthrococc the Micrococci, an Second, when the ature, a great nun gas, especially wh foul odor it emits temperature, this as we can perceiv of the milk does their escape, and retards their grov of the sour milk the prevention of that the less tain sour in the morr milk be properly cooling such mill whey with the r but I prefer the factive spores is